

Title (en)
Method of simultaneous multilayer application

Title (de)
Verfahren zur gleichzeitigen Mehrfachbeschichtung

Title (fr)
Procédé pour le revêtement multicouche simultané

Publication
EP 0622667 B1 20010516 (EN)

Application
EP 94110211 A 19881020

Priority

- EP 88117484 A 19881020
- JP 26286587 A 19871020
- JP 26286687 A 19871020
- JP 29513487 A 19871125

Abstract (en)
[origin: EP0313043A2] A device for simultaneous multilayer application in which discrete liquid substances are applied as at least two mutually-overlaid layers to a continuously moving web comprises a web, a backup roller around which the web moves and a hopper for simultaneously applying upper and lower layers to the web. The hopper includes first and second guide surfaces along which the liquid substances flow onto the web, and first and second slots for individually supplying the liquid substances to each of the guide surfaces. The slots are designed such that the length of the slot for supplying the lower layer is longer than the length of slot for supplying the upper layer and the width of the slot for supplying the lower layer is smaller than the width of the slot for supplying the upper layer. In this manner, the edges of the applied liquid substances are continuous along the length of the web and streaks are prevented from forming along the applied surfaces.

IPC 1-7
G03C 1/74; **B05C 9/06**; **B05C 5/00**; **B05C 5/02**

IPC 8 full level
B05C 5/00 (2006.01); **B05C 5/02** (2006.01); **B05C 9/06** (2006.01); **B05D 1/26** (2006.01); **G03C 1/74** (2006.01)

CPC (source: EP US)
B05C 5/007 (2013.01 - EP US); **B05C 5/0254** (2013.01 - EP US); **B05C 9/06** (2013.01 - EP US); **G03C 1/74** (2013.01 - EP US); **G03C 2001/7411** (2013.01 - EP US); **G03C 2001/7459** (2013.01 - EP US); **G03C 2001/7492** (2013.01 - EP US)

Citation (examination)
JP S6354975 A 19880309 - FUJI PHOTO FILM CO LTD

Cited by
US5780109A; EP1055965A1; EP1759773A1; US5849363A; US5843530A; US5861195A; US6007874A; US6214111B1; US6300048B1; US6200641B1; US6458421B2; US6458422B2

Designated contracting state (EPC)
DE NL

DOCDB simple family (publication)
EP 0313043 A2 19890426; **EP 0313043 A3 19891025**; **EP 0313043 B1 19950614**; DE 3853978 D1 19950720; DE 3853978 T2 19951102; DE 3856466 D1 20010621; DE 3856466 T2 20010906; EP 0622667 A2 19941102; EP 0622667 A3 19970730; EP 0622667 B1 20010516; JP 2646251 B2 19970827; JP H01231962 A 19890918; US 4976999 A 19901211; US 4977852 A 19901218

DOCDB simple family (application)
EP 88117484 A 19881020; DE 3853978 T 19881020; DE 3856466 T 19881020; EP 94110211 A 19881020; JP 26158288 A 19881019; US 26022688 A 19881020; US 39781389 A 19890824